

Title (en)

Power reception control device, power reception device, non-contact power transmission system, charge control device, battery device, and electronic instrument

Title (de)

Vorrichtung zur Leistungsübertragungssteuerung, Leistungsempfangsvorrichtung, kontaktloses Übertragungssystem, Ladesteuervorrichtung, Batterievorrichtung und elektronisches Instrument

Title (fr)

Dispositif de contrôle de réception d'alimentation, dispositif de réception électrique, système de transmission électrique sans contact, dispositif de contrôle de charge, dispositif de batterie, et instrument électronique

Publication

EP 2017940 A3 20100414 (EN)

Application

EP 08012906 A 20080717

Priority

JP 2007186109 A 20070717

Abstract (en)

[origin: EP2017940A2] A power reception control device (50) provided in a power reception device (40) of a non-contact power transmission system includes a power-reception-side control circuit that controls an operation of the power reception device (40), and a power supply control signal output terminal that supplies a power supply control signal (ICUTX) to a charge control device (92), the power supply control signal (ICUTX) controlling power supply to a battery (94). The power-reception-side control circuit controls a timing at which the power supply control signal (ICUTX) is output from the power supply control signal output terminal (TA4). The operation of the charge control device (92) is compulsorily controlled using the power supply control signal (ICUTX).

IPC 8 full level

H02J 7/00 (2006.01)

CPC (source: EP KR US)

H02J 7/00 (2013.01 - US); **H02J 7/00034** (2020.01 - KR); **H02J 7/00045** (2020.01 - EP US); **H02J 7/0047** (2013.01 - KR); **H02J 7/0069** (2020.01 - KR); **H02J 7/007** (2013.01 - KR); **H02J 50/10** (2016.02 - EP US); **H02J 50/12** (2016.02 - EP KR US); **H02J 50/60** (2016.02 - EP KR US); **H02J 50/80** (2016.02 - KR); **H02J 50/90** (2016.02 - EP KR US); **H04B 5/79** (2024.01 - KR); **H02J 7/00034** (2020.01 - US)

Citation (search report)

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- [Y] JP H08103028 A 19960416 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] WO 2007012272 A1 20070201 - UNIV CITY HONG KONG [CN], et al
- [A] WO 2005109598 A1 20051117 - SPLASHPower LTD [GB], et al
- [AD] JP 2006060909 A 20060302 - SEIKO EPSON CORP
- [A] WO 2006101285 A1 20060928 - HANRIM POSTECH CO LTD [KR], et al

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2017940 A2 20090121; **EP 2017940 A3 20100414**; **EP 2017940 B1 20170412**; **EP 2017940 B8 20170802**; CN 101388571 A 20090318; CN 101388571 B 20130724; JP 2009027781 A 20090205; JP 2011155836 A 20110811; JP 2013255423 A 20131219; JP 5488507 B2 20140514; JP 5556943 B2 20140723; KR 101496829 B1 20150227; KR 20090008158 A 20090121; TW 200913428 A 20090316; TW 201524076 A 20150616; TW I477020 B 20150311; TW I543494 B 20160721; US 10516299 B2 20191224; US 10903695 B2 20210126; US 2009021219 A1 20090122; US 2013088091 A1 20130411; US 2014368165 A1 20141218; US 2016049801 A1 20160218; US 2017229924 A1 20170810; US 2020091772 A1 20200319; US 8344688 B2 20130101; US 8836273 B2 20140916; US 9209636 B2 20151208; US 9673636 B2 20170606

DOCDB simple family (application)

EP 08012906 A 20080717; CN 200810133576 A 20080717; JP 2007186109 A 20070717; JP 2011060109 A 20110318; JP 2013171113 A 20130821; KR 20080069514 A 20080717; TW 104104130 A 20080714; TW 97126690 A 20080714; US 17430508 A 20080716; US 201213689240 A 20121129; US 201414467792 A 20140825; US 201514928414 A 20151030; US 201715581534 A 20170428; US 201916684851 A 20191115